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<110> Mount Sinai School of Medicine of NYU

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			20					25					30		

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Ser Gly Lys Lys Arg Gly Lys Phe Val Arg Val Pro Ser Gly Val Ala
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Pro Ser Val Leu Phe Asp Leu Leu Leu Ala Glu Trp His Leu Pro Ala
    50                                55                                60
Pro Asn Leu Val Val Ser Leu Val Gly Glu Glu Gln Pro Phe Ala Met
    65                                70                                75                                80
Lys Ser Trp Leu Arg Asp Val Leu Arg Lys Gly Leu Val Lys Ala Ala
    85                                90                                95
Gln Ser Thr Gly Ala Trp Ile Leu Thr Ser Ala Leu Arg Val Gly Leu
    100                                105                                110
Ala Arg His Val Gly Gln Ala Val Arg Asp His Ser Leu Ala Ser Thr
    115                                120                                125
Ser Thr Lys Val Arg Val Val Ala Val Gly Met Ala Ser Leu Gly Arg
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Val Leu His Arg Arg Ile Leu Glu Glu Ala Gln Glu Asp Phe Pro Val
    145                                150                                155                                160
His Tyr Pro Glu Asp Asp Gly Gly Ser Gln Gly Pro Leu Cys Ser Leu
    165                                170                                175
Asp Ser Asn Leu Ser His Phe Ile Leu Val Glu Pro Gly Pro Pro Gly
    180                                185                                190
Lys Gly Asp Gly Leu Thr Glu Leu Arg Leu Arg Leu Glu Lys His Ile
    195                                200                                205
Ser Glu Gln Arg Ala Gly Tyr Gly Gly Thr Gly Ser Ile Glu Ile Pro
    210                                215                                220
Val Leu Cys Leu Leu Val Asn Gly Asp Pro Asn Thr Leu Glu Arg Ile
    225                                230                                235                                240
Ser Arg Ala Val Glu Gln Ala Ala Pro Trp Leu Ile Leu Val Gly Ser
    245                                250                                255
Gly Gly Ile Ala Asp Val Leu Ala Ala Leu Val Asn Gln Pro His Leu
    260                                265                                270
Leu Val Pro Lys Val Ala Glu Lys Gln Phe Lys Glu Lys Phe Pro Ser
    275                                280                                285
Lys His Phe Ser Trp Glu Asp Ile Val Arg Trp Thr Lys Leu Leu Gln
    290                                295                                300
Asn Ile Thr Ser His Gln His Leu Leu Thr Val Tyr Asp Phe Glu Gln
    305                                310                                315                                320
Glu Gly Ser Glu Glu Leu Asp Thr Val Ile Leu Lys Ala Leu Val Lys
    325                                330                                335
Ala Cys Lys Ser His Ser Gln Glu Pro Gln Asp Tyr Leu Asp Glu Leu
    340                                345                                350
Lys Leu Ala Val Ala Trp Asp Arg Val Asp Ile Ala Lys Ser Glu Ile
    355                                360                                365
Phe Asn Gly Asp Val Glu Trp Lys Ser Cys Asp Leu Glu Glu Val Met

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370	375	380
Val Asp Ala Leu Val	Ser Asn Lys Pro Glu Phe	Val Arg Leu Phe Val
385	390	395
Asp Asn Gly Ala Asp	Val Ala Asp Phe Leu Thr	Tyr Gly Arg Leu Gln
405	410	415
Glu Leu Tyr Arg Ser	Val Ser Arg Lys Ser	Leu Leu Phe Asp Leu Leu
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Gln Arg Lys Gln Glu	Glu Ala Arg Leu Thr	Leu Ala Gly Leu Gly Thr
435	440	445
Gln Gln Ala Arg Glu	Pro Pro Ala Gly Pro	Pro Ala Phe Ser Leu His
450	455	460
Glu Val Ser Arg Val	Leu Lys Asp Phe Leu	Gln Asp Ala Cys Arg Gly
465	470	475
Phe Tyr Gln Asp Gly	Arg Pro Gly Asp Arg	Arg Arg Ala Glu Lys Gly
485	490	495
Pro Ala Lys Arg Pro	Thr Gly Gln Lys Trp	Leu Leu Asp Leu Asn Gln
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Lys Ser Glu Asn Pro	Trp Arg Asp Leu Phe	Leu Trp Ala Val Leu Gln
515	520	525
Asn Arg His Glu Met	Ala Thr Tyr Phe Trp	Ala Met Gly Gln Glu Gly
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Val Ala Ala Ala Leu	Ala Ala Cys Lys Ile	Leu Lys Glu Met Ser His
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Leu Glu Thr Glu Ala	Glu Ala Ala Arg Ala	Thr Arg Glu Ala Lys Tyr
565	570	575
Glu Arg Leu Ala Leu	Asp Leu Phe Ser Glu	Cys Tyr Ser Asn Ser Glu
580	585	590
Ala Arg Ala Phe Ala	Leu Leu Val Arg Arg	Asn Arg Cys Trp Ser Lys
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Thr Thr Cys Leu His	Leu Ala Thr Glu Ala	Asp Ala Lys Ala Phe Phe
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Ala His Asp Gly Val	Ala Phe Leu Thr Arg	Ile Trp Trp Gly Asp Met
625	630	635
Ala Ala Gly Thr Pro	Ile Leu Arg Leu Leu	Gly Ala Phe Leu Cys Phe
645	650	655
Ala Leu Val Tyr Thr	Asn Leu Ile Thr Phe	Ser Glu Glu Ala Pro Leu
660	665	670
Arg Thr Gly Leu Glu	Asp Leu Gln Asp Leu	Asp Ser Leu Asp Thr Glu
675	680	685
Lys Ser Pro Leu Tyr	Gly Leu Gln Ser Arg	Val Glu Glu Leu Val Glu
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Ala Pro Arg Ala Gln	Gly Asp Arg Gly Pro	Arg Ala Val Phe Leu Leu
705	710	715
		720

Thr	Arg	Trp	Arg	Lys	Phe	Trp	Gly	Ala	Pro	Val	Thr	Val	Phe	Leu	Gly
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Asn	Val	Val	Met	Tyr	Phe	Ala	Phe	Leu	Phe	Leu	Phe	Thr	Tyr	Val	Leu
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Leu	Val	Asp	Phe	Arg	Pro	Pro	Pro	Gln	Gly	Pro	Ser	Gly	Pro	Glu	Val
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Thr	Leu	Tyr	Phe	Trp	Val	Phe	Thr	Leu	Val	Leu	Glu	Glu	Ile	Arg	Gln
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Gly	Phe	Phe	Thr	Asp	Glu	Asp	Thr	His	Leu	Val	Lys	Lys	Phe	Thr	Leu
785					790					795					800
Tyr	Val	Gly	Asp	Asn	Trp	Asn	Lys	Cys	Asp	Met	Val	Ala	Ile	Phe	Leu
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Phe	Ile	Val	Gly	Val	Thr	Cys	Arg	Met	Leu	Pro	Ser	Ala	Phe	Glu	Ala
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Gly	Arg	Thr	Val	Leu	Ala	Met	Asp	Phe	Met	Val	Phe	Thr	Leu	Arg	Leu
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Ile	His	Ile	Phe	Ala	Ile	His	Lys	Gln	Leu	Gly	Pro	Lys	Ile	Ile	Val
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Val	Glu	Arg	Met	Met	Lys	Asp	Val	Phe	Phe	Phe	Leu	Phe	Phe	Leu	Ser
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Val	Trp	Leu	Val	Ala	Tyr	Gly	Val	Thr	Thr	Gln	Ala	Leu	Leu	His	Pro
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His	Asp	Gly	Arg	Leu	Glu	Trp	Ile	Phe	Arg	Arg	Val	Leu	Tyr	Arg	Pro
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Tyr	Leu	Gln	Ile	Phe	Gly	Gln	Ile	Pro	Leu	Asp	Glu	Ile	Asp	Glu	Ala
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Arg	Val	Asn	Cys	Ser	Thr	His	Pro	Leu	Leu	Leu	Glu	Asp	Ser	Pro	Ser
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Cys	Pro	Ser	Leu	Tyr	Ala	Asn	Trp	Leu	Val	Ile	Leu	Leu	Leu	Val	Thr
945					950					955					960
Phe	Leu	Leu	Val	Thr	Asn	Val	Leu	Leu	Met	Asn	Leu	Leu	Ile	Ala	Met
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Phe	Ser	Tyr	Thr	Phe	Gln	Val	Val	Gln	Gly	Asn	Ala	Thr	Met	Phe	Trp
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Lys	Phe	Gln	Arg	Tyr	Asn	Leu	Ile	Val	Glu	Tyr	His	Glu	Arg	Pro	Ala
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Leu	Ala	Pro	Pro	Phe	Ile	Leu	Leu	Ser	His	Leu	Ser	Leu	Thr	Leu	Arg
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Asp	Leu	Pro	Asp	Pro	Leu	Asp	Gln	Lys	Val	Val	Thr	Trp	Glu	Thr	Val
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Gln	Lys	Glu	Asn	Phe	Leu	Ser	Lys	Met	Glu	Lys	Arg	Arg	Arg	Asp	Ser

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Lys	Tyr	Leu	Gly	Gly	Leu	Arg	Glu	Gln	Glu	Lys	Arg	Ile	Lys	Cys	Leu				
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Gly	Ser	Gln	Leu	Val	Ala	Ala	Asp	His	Arg	Gly	Gly	Ile	Asp	Gly	Trp				
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Glu	Gln	Pro	Gly	Ala	Gly	Gln	Pro	Pro	Ser	Asp	Thr								
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